

Computer System and Method for Calculating a Pharmacokinetic Behavior of a Chemical Substance in Insects

Abstract

Computer system for calculating a pharmacokinetic behavior of a chemical substance in insects, comprising:

- a physiologically based pharmacokinetic simulation model (102) of an insect for predicting concentration/time profiles of the chemical substance in compartments of the insect, the simulation model having at least one parameter which is dependent on the substance, and
- a prediction module (110) for predicting the at least one parameter on the basis of a physicochemical property of the substance.